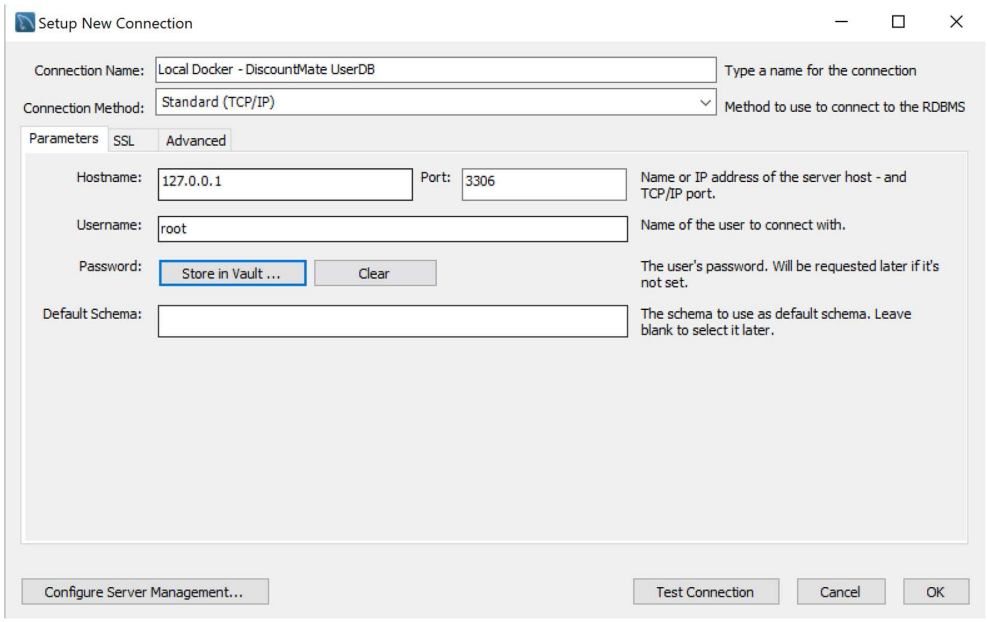
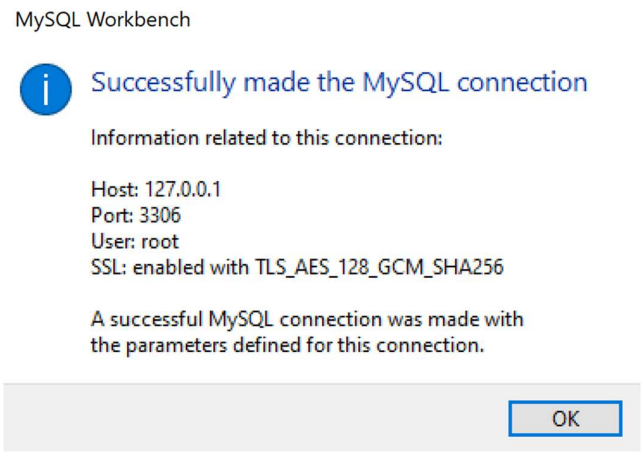
SIT378 – DiscountMate User Database – Docker Guide

Setting up Docker for MySQL from Scratch for Local Use

- Go to https://docs.docker.com/get-docker/ to download Docker Desktop and sign up.
- Login to the Docker Desktop program.
- Run the following in Command Line or Terminal (Changing the password if deploying non-locally).
    - `docker login`
    - `docker run --name DiscountMate_UserDB -p 3306:3306 -e MYSQL_ROOT_PASSWORD=DiscountMatePW -d mysql`
    - Run `docker ps` to check that the container has been created and the ports are open.
- Now install and run MySQL workbench from https://dev.mysql.com/downloads/workbench/
- Press the plus sign next to MySQL connections and input the following



    - Press store in vault and enter the password given in the above command.
    - Press test connection if successful it should show the following:



- Double click on the new connection and type `SELECT NOW()` and if the current time displays, you have successfully setup the database locally.

Exporting and Importing Images

Export

- In your terminal/command prompt, type `docker ps` and copy the docker container ID for the chosen container.
- Execute `docker export container_id > mydb.zip`
- We can now share the file to other people.

Import

- In terminal/command prompt, type `docker import – mydb < mydb.zip`
- Type `docker images` to check the image has been installed.
- Use Docker Desktop to run the image.